NEC

Performance

Flexibility

Express5800/120Eh2

- Scaleable 2-way Intel® Xeon Dual Core Architecture
- Up to 16GB of DDR-2 553/667 FB-DIMM SDRAM
- Embedded SATA-2 RAID 0/1/5/10 Controller
- Up to 6 HotSwap or Fixed Storage for SATA, SCSI or SAS
- Integrated Dual Gigabit Ethernet
- PCI-Express & PCI-X for High Throughput
- Integrated Server Management IPMI 2.0 Compliant
- Tower or 6U Rack-mount Option

Manageability

The FLEXIBLE Workgroup Server

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Express5800/120Eh

The Flexible Workgroup Server

CHASSIS

Form Factor	Tower
	Optional 6U Rack Mount KIt

PROCESSORS

Number of CPUs	Up to 2
CPUs	Intel® Xeon™ 5000 Series 2.6GHz to 3.73GHz
Cache L2	2x 2MB, 4MB
Socket	LGA 771 Packaging

CHIPSET

Chipset	Intel® 5000V + ESB2-E
Front Side Bus	667/1066/1333MHz

MEMORY

Type	DDR2-533/667MHz ECC FB-DIMMs
Maximum	Up to 16GB
Slots	8 DIMM Slots

STORAGE CONTROLLERS

Integrated	1-ch EIDE Controller
SATA-2	6-Ports w/ RAID 0, 1, 5, 10
SCSI	Opt. 1-ch U320 Board
RAID	Opt. SCSI 1-ch RAID Board
	Opt. 8-ch SATA RAID Board
	Opt. 4-ch SAS RAID Board + Expander

STORAGE MEDIA

Fixed Drives	Up to 6x SATA/SCSI HDDs
Hotswap Drives	Up to 6x SCSI/SATA/SAS
SATA HDDs	80/160/250/500GB 7.2Krpm
SCSI HDDs	73/146/300GB U320 10Krpm
SAS HDDs HS	73/146GB 15Krpm
FDD	Opt. 1.44MB FDD
Optical DD	EIDE DVD Rom / DVD RW

BAYS

5.25" Media Bay	2/1 (total / free)	
3.5" Media Bays	1/1 (total / free)	
3.5" HDD	Fixed	6x 1"
	HotSwap	6x 1"

SLOTS

Total Slots	2x PCI-Express X4 (X8 Slots)
	2x PCI-X 64bit/133MHz (3.3V)
	1x PCI 32bit/33MHz PCI (5V)

VIDEO

Video Controller	Embedded ATI ES 1000 SVGA
Video Memory / Type	16MB DDR SDRAM Standard

NETWORK

Controller	Embedded Dual Gigabit Ethernet w/ WOL

SECURITY

2 Level Passwords	Yes
Front Door	Yes
Intrusion Detection	Yes

I/O PORTS

USB Ports	6x USB2 (2x Front + 4x Rear)
PS/2 Ports	1x Mouse + 1x Keyboard
Serial Port	1x Serial (DB9) Port
Video Port	1x SVGA Video Port
Ethernet Ports	2x RJ45 Ethernet Ports
SCSI Port	1x Opt. Connector 68pin VHD

MANAGEMENT

Controller	Integrated Server Management IPMI v2.0
Administration Soft.	ESMPRO Management

POWER SUPPLY

Fixed PSU Opt.	550W PFC PSU
Hotswap PSU Opt.	650W PFC PSU
Redundant PSU Opt.	HotSwap Model (1+1)

VENTILATION

Standard	2x Fixed Fans

PHYSICAL SPECIFICATIONS

Environnemental	10 to 35°C, 20 to 80% RH
Weight	25 - 35 kg
Dimensions WxDxH	453 x 292 x 681 mm

OS AND SOFTWARE

Setup & Configuration	ExpressBuilder
Certified OS	Windows 2003 Server
	RedHat Linux ES 4.0
	SuSe SLES 9.0 SP2

WARRANTY

Standard Warranty	3 years on-site
Warranty Extensions	4 Hour Response
	6 Hour Repair Time Commitment

REGULATORY & SAFETY

Regulatory	CE Compliant
Compliance	FCC Compliant

Performance

Flexibility

Manageability

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